



CITY OF  
**HAYWARD**  
HEART OF THE BAY

# **Development Review Focus Group**

## **Update on City Utilities Master Plans**

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# Background

## What do we do?

- Water Distribution
- Sewer Collection
- Wastewater Treatment & Disposal



# Background

- Utilities Master Plans are updated about once every ten years
- Assess various utilities ability to continue to provide service
- Plan for future developments contemplated in City's General Plan and development plans
- Make recommendations for system replacements, improvements, and upgrades



# Current Status:

## Water Distribution Master Plan

- Updated this year and finalized

## Sewer Collection Master Plan

- Started two years ago and is being finalized

## Water Pollution Control Facility

- Updated this year and finalized



# Water Distribution System:

- Water Supply
- Transmission System
- Distribution System



# Water Distribution MP Findings:

- Good condition
- Can serve current and future needs
- There are some issues that need to be addressed
- Example of how City has made it easier on developers (1530)



# Sewer Collection System:

- Local Collection Mains
- Trunkline/Interceptor System
- Lift Stations/Pump Stations
- Force Mains



# Sewer Collection MP Findings:

- Master Plan is not completed yet
- System is generally in good shape
- Relatively low infiltration/Inflow (I/I)
- Generally adequate capacity (A few local improvements needed)





# Water Pollution Control Facility:

- Originally constructed in 1952 (Primary Treatment)
- Upgraded in 1980 (Secondary Treatment)
- Major Improvements Phase I (2008)
- Needs Further improvements (Phase II) (Next 5 years)
- Ongoing improvements and enhancements



# WPCF MP Findings:

- Need further system improvements/additions to increase reliability and redundancy
- Phase II will cost about \$50 Million
- Will also need additional systems for nutrients removal (could cost up to \$50 Million depending on State action)



# Treated Effluent Discharge to Bay:

- Near-shore discharge not permitted
- East Bay Dischargers Authority
- Formed in 1977
- Hayward, San Leandro, Union Sanitary District, Oro Loma Sanitary District, Castro Valley Sanitary District
- Own Commission



# EBDA System:

- 60-inch collection pipeline
- 7-mile long 96-inch outfall
- Several pump stations
- In reasonably good shape



# Sea Level Rise:

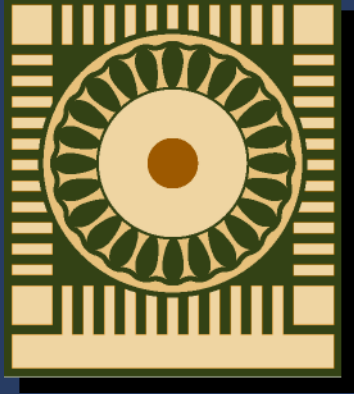
- Will impact EBDA systems in this century
- Can eventually impact Hayward's Water Pollution Control Facility
- Question is not if but when
- Need to find a regional solution



# Green Initiatives & Performance:

- Water System:
  - Exceptional water quality/Intelligent Design = Less energy use
- Water Conservation:
  - Hayward is a leader
- Sewer Collection System:
  - One of the lowest I/I
- WPCF:
  - Recycled water
  - FOG Receiving System
  - Co-generation upgrade
  - Solar PV System
  - Future Plans





## Questions/Discussion

